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**Indira Gandhi Centre for Human Ecology,
Environmental and Population Studies**
University of Rajasthan, Jaipur- 302 004



NATIONAL SEMINAR On **CLIMATE CHANGE AND ENVIRONMENTAL SUSTAINABILITY: CONCERNS AND ALTERNATIVES**

21st March, 2020



Organized By:
**Indira Gandhi Centre for Human Ecology,
Environmental and Population Studies,**
University of Rajasthan, Jaipur- 302 004
Phone No. 0141-2700925
E-mail: igcheeps@gmail.com

ABOUT UNIVERSITY OF RAJASTHAN

On the 8th January 1947, the University of Rajputana appeared like a little star on the educational horizon of pre-independent India. That little star, now called the University of Rajasthan is shining "like a diamond in the sky" having acquired the status of University with Potential for Excellence (UPE).

University Central Campus is spread over 338. 14 acres. In beginning, the University's Jurisdiction encompassed the entire state. In the year 1956, the Rajputana University was renamed as the University of Rajasthan, keeping intact its enveloping jurisdiction. With the creation of other Universities, its affiliating jurisdiction was modified in geographical terms. However, it has today UG and PG colleges affiliated to it. The University is still the hub of Higher Education in Rajasthan and attracts students from all over Rajasthan and other parts of India and also from abroad. The University believes that in its journey of 73 years, it has brought about a transformation in higher education in Rajasthan and the country at large.

ABOUT IGC FOR HEEPS

Indira Gandhi Centre for Human Ecology, Environmental and Population Studies is one of the important Departments of University of Rajasthan, Jaipur. It was founded in the year, 1984 and it is interdisciplinary in nature, providing equal opportunities to students from science and social science background. This center was provided status of the Department on December 31, 1997.

This Department offers Ph.D. programme with course work and M.Sc. Environmental Science with semester systems. Three Diploma course after post-graduation are also offered in Human Ecology, Environmental and Population Studies. This Department possesses its own library with about 5000 books along with subscribed Journals and Periodicals. It has well equipped laboratories for M.Sc., Ph.D. and Diploma students. Smart class room and internet facilities are made available to all students and research scholars.

ABOUT THE SEMINAR

Indira Gandhi Centre for Human Ecology, Environmental and Population Studies, University of Rajasthan, Jaipur is going to organize a National Seminar on 21st March, 2020 to commemorate the International Day of Forests and World Water Day, 2020. This year the themes of International Day of Forests and World Water Day are FORESTS AND BIODIVERSITY and NATURE AND CLIMATE CHANGE, respectively. The objective of the National Seminar is to provide an interdisciplinary platform to scholars, students, teachers, technocrats and society at large to discuss contemporary environmental issues and challenges we are currently facing. The spectrum of environmental concerns and alternatives is much broader.

Climate change is one of the most important global environmental concerns faced by humanity with implications for food production, natural ecosystems, fresh water supply, health, etc. According to the latest scientific assessment, the earth's climate system has demonstrably changed on both global and regional scales since the pre-industrial era. Further evidence shows that most of the warming observed over the last 50 years, is attributable to human activities. The Intergovernmental Panel on Climate Change projects that the global mean temperature may increase between 1.4 and 5.8 degrees celsius by the year 2100. This unprecedented increase is expected to have severe impacts on the global hydrological system, ecosystems, sea level, crop production and related processes. The impact would be particularly severe in the tropical areas, which mainly consist of developing countries, including India.

The climate change issue is part of the larger challenge of environmental sustainability. As a result, climate policies can be more effective when consistently embedded within broader strategies designed to make national and regional development paths more environmental sustainable. The impact of climate variability and change, climate policy responses, and associated socio-economic development will affect the ability of countries to achieve sustainable development goals. The pursuit of these goals will in turn affect the opportunities for, and success of, climate policies. In particular, the socio-economic and technological

characteristics of different development paths will strongly affect emissions, the rate and magnitude of climate change, climate change impacts, the capability to adapt, and the capacity to mitigate.

Addressing climate change requires a good scientific understanding as well as coordinated action at national and global level. Historically, the responsibility for greenhouse gas emissions' increase lies largely with the industrialized world, though the developing countries are likely to be the source of an increasing proportion of future emissions. The projected climate change under various scenarios is likely to have implications on food production, water supply, coastal settlements, forest ecosystems, health, energy security, etc. The adaptive capacity of communities likely to be impacted by climate change is low in developing countries. The efforts made by the UNFCCC and the Kyoto Protocol provisions are clearly inadequate to address the climate change challenge. The most effective way to address climate change is to adopt a sustainable development pathway by shifting to environmentally sustainable technologies and promotion of energy efficiency, renewable energy, forest conservation, reforestation, water conservation, etc. The issue of highest importance to developing countries is reducing the vulnerability of their natural and socio-economic systems to the projected climate change. India and other developing countries will face the challenge of promoting mitigation and adaptation strategies, bearing the cost of such an effort, and its implications for economic development. This seminar addresses these challenges.

Furthermore, in this context there is a need for integration of efforts carried out in various branches of science, technology and social science with environmental policy, planning and management along with proper enforcement of environmental laws to achieve the goal of clean environment, better health and environmental sustainability. Therefore, the motive of this Seminar is to bring together scientists, social scientists, technologists and provide an opportunity to discuss burning environmental issues and come out with pragmatic recommendations.

THRUST AREAS

- Current Environmental Issues
- Sustainable Development
- Climate Change
- Green Chemistry
- Deserts and Desertification
- Environmental Pollution and Management
- Waste Water Management
- Toxic and Hazardous Waste Treatment and Management
- Municipal Solid Waste Treatment and Management
- Biomedical Waste and Related Issues
- Natural Resources
- Biodiversity Use and Conservation
- Forest Conservation and Management
- Sustainable Forestry
- Eco-tourism and Sustainable Livelihood
- Environment and Health

SUBMISSION OF ABSTRACTS

The Abstracts of the papers in about 250-350 words including the title, author(s) name, affiliation, e-mail address and keywords (maximum five) in MS Word with single line spacing, font. Time New Roman font size-12 may be sent electronically to igcheeps@gmail.com upto 15th March, 2020. There will be no on-spot registration. Registrations are to be done online only, by mailing the duly filled, signed and scanned copy of the registration forms. There is no registration fee.

IMPORTANT DATES

Date of Seminar	: 21 st March, 2020
Last date of Abstract Submission	: 15 th March, 2020
Last date of Registration	: 18 th March, 2020

CONTACT INFORMATION

Dr. Surendra Singh Chauhan
Convener & Director
+91-9414607940

Dr. Prama Esther Soloman
Organizing Secretary
+91-9001791887

Dr. Pankaj Kumar Jain
Organizing Secretary
+91-9414971602

REGISTRATION FORM



**NATIONAL SEMINAR
On
CLIMATE CHANGE AND
ENVIRONMENTAL SUSTAINABILITY:
CONCERNS AND ALTERNATIVES**

21st March, 2020

Venue : **Indira Gandhi Centre for Human Ecology,
Environmental and Population Studies,
University of Rajasthan, Jaipur- 302 004**

Name :

Designation :

Institution :

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Address for Communication :

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E-mail :

Mobile No. :

Title of Paper :

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Whether presenting oral paper or not? YES/NO

Date: _____

Signature

Photocopy of this form can be used.